



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

KST Coatings, A Business Unit of the Sherwin Williams Company
101 W. Prospect Ave.
Cleveland, OH 44115

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Uniflex Liquid Applied Roof System over Concrete Deck

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 6.

The submitted documentation was reviewed by Gaspar J Rodriguez.



NOA No.: 14-0826.05
Expiration Date: 10/06/21
Approval Date: 10/06/16
Page 1 of 6

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Systems
Material: Elastomeric
Deck Type: Concrete
Maximum Design Pressure: -790 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions/ Container Sizes</u>	<u>Test Specification</u>	<u>Product Description</u>
Uniflex Premium Elastomeric Base Coat Gray 41-320	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Uniflex Premium Elastomeric Finish Coat White 41-300	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Uniflex Polyester Fabric 20-385	324' long rolls of various widths	Proprietary	Non-woven polyester reinforcing fabric.
Uniflex Acrylic Concrete Primer 36-500	5 gallons	Proprietary	Acrylic primer used for concrete surfaces.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer</u> (With Current NOA)
ACFoam-II	Polyisocyanurate insulation	Atlas Roofing Corp.
ENRGY 3	Polyisocyanurate insulation	Johns Manville Corp.
H-Shield	Polyisocyanurate insulation	Hunter Panels, LLC
ISO 95+ GL	Polyisocyanurate insulation	Firestone Building Products Company, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum board	USG Corp.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Underwriter Laboratories	R12209	Fire Classification	05/21/14
FM Approvals	3043145	FM 4470	03/12/14
	3023458	FM 4450	07/18/06
PRI Construction Materials Technologies, LLC	KSTC-007-02-01	ASTM D 6083	02/09/09
Trinity ERD	KST-SC6350.11.14	FM 4474 & TAS 114	11/04/14
	KST-SC9330.01.16	ASTM D6083	01/21/16
	KST-SC9330.05.16	ASTM D6083	05/02/16
RCMA Americas, Inc.	SX01B6B	ASTM D6083	02/25/16

NOA No.: 14-0826.05
Expiration Date: 10/06/21
Approval Date: 10/06/16
Page 2 of 6



APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(1): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ISO 95+ GL Minimum 2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or with Insta Stik Quik Set Insulation Adhesive or Millennium One Step Foamable Adhesive in 3/4" ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -225 psf. (See General Limitation #9)



Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(2): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, H-Shield, ENRGY 3 Minimum 2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or with Insta Stik Quik Set Insulation Adhesive, OlyBond 500, Tite-Set Roofing Adhesive, 3M Polyurethane Foam Insulation Adhesive CR-20 or Millennium One Step Foamable Adhesive in 3/4" ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -247.5 psf. (See General Limitation #9)



Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(3): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -790 psf. (See General Limitation #9)

Membrane Type: Liquid Applied Membrane
Deck Type 3: Concrete Decks, Non-insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type F: Uniflex roof system applied directly to substrate.

All General and System Limitations apply.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Primer: Uniflex Acrylic Concrete Primer 36-500 applied at 0.5 gal./sq.

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -487.5 psf. (See General Limitations #9)



CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.

Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 14-0826.05
Expiration Date: 10/06/21
Approval Date: 10/06/16
Page 6 of 6